

20000122.qrp v01_n708.qrl.20000122

Date: Sat, 22 Jan 2000 19:03:09 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1708

QRP-L Digest 1708

Topics covered in this issue include:

- 1) [61001] Amateur Allocations In The 160 Meter Band
by wb2vuo@juno.com
- 2) [61002] Georgetown, TX Swapfest - NOON - Sunday Jan 30th
by "Bob Helms" <af5z@inetport.com>
- 3) [61003] PROP: Weekend condx
by "Paul Harden, NA5N" <na5n@rt66.com>
- 4) [61004] Re: Pushing for DXCC/QRP
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
- 5) [61005] Re: Letter to the FCC, not I believe O.T....
by "Ed Hare, W1RFI" <w1rfi@arrl.net>
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by "Mike Mullins" <mmullins@mastnet.net>
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by Marty Watt <N5NW@midsouth.rr.com>
- 10) [61010] 160M Miles per watt record on display
by Jim Hale <kj5tf@yahoo.com>
- 11) [61011] Re: Sierra and PSK31
by Dave Redfearn <n4elm@home.com>
- 12) [61012] Re: PSK31
by "David Benson" <nn1g@earthlink.net>
- 13) [61013] Re: WD-40--Wrisking the Wrath of the OT Police
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 14) [61014] Re: WD 40
by Michael Neverdosky <mneverdosky@earthlink.net>
- 15) [61015] Re: Sierra and PSK31
by Charles Greene <cgreene@loa.com>
- 16) [61016] Noise on 1.810
by K1JD@aol.com
- 17) [61017] OT: CC14
by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 18) [61018] NorCal Cap Kit - list of Values?
by HWRM1SS@aol.com
- 19) [61019] Wanna Buy a 2N2/40?

- by "Mark M." <markem@primenet.com>
- 20) [61020] Note to Bill Moore (QRP DXCC)
by "Paul R. Valko" <prvalko@oakland.edu>
- 21) [61021] Re: AD8361 - followup, no-see-um parts!
by Randy Prakken <rlp@ndg.com>
- 22) [61022] Who Wrote Me re Fritzel antennas?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [61023] Re: OT: cleaning dirty pots, rotaries
by Dick Carroll <dixie@townsqsr.com>
- 24) [61024] 160m Sat Night -- Best nite of the winter!
by aweiss@usd.edu (Ade Weiss W0RSP)
- 25) [61025] Soldering an open 150 uA meter coilspring!
by Ed Loranger <we6w@netzero.net>
- 26) [61026] How the Navy Killed my 17 year old son!
by Richard Powell <ripowell@mpna.com>
- 27) [61027] Copyright/reuse legalities: court rulings (long)
by PGSPersEng@aol.com
- 28) [61028] RE: How the Navy Killed my 17 year old son!
by Richard Powell <ripowell@mpna.com>
- 29) [61029] How many QSOs on a matchhead?
by PGSPersEng@aol.com
- 30) [61030] Further message from Kanga Products
by John Fletcher <johnf@innotts.co.uk>
- 31) [61031] Re: WD 40
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 32) [61032] Re: How many QSOs on a matchhead?
by "Chuck Carpenter" <w5usj@globeco.net>
- 33) [61033] Cleaning shack/For Sale
by Mercxx@aol.com
- 34) [61034] WANTED PQ0ET PQ0181
by jmbrown@edge.net (JERRY BROWN)
- 35) [61035] BCK
by Rick Sealey <rsealey@InfoAve.Net>
- 36) [61036] Re: NorCal Cap Kit - list of Values?
by Roger Hightower <n7kt@earthlink.net>
- 37) [61037] Re: WD-40--Wrisking the Wrath of the OT Police
by Dick Carroll <dixie@townsqsr.com>
- 38) [61038] Wilderness Radio Norcal 40A FOR SALE!
by AC6JA@aol.com
- 39) [61039] Re: WD 40
by Ray Colbert <af852@rgfn.epcc.edu>
- 40) [61040] Re: How the Navy Killed my 17 year old son!
by Brian Short <bshort@speedchoice.com>
- 41) [61041] Re: Noise on 1.810
by Ray Colbert <af852@rgfn.epcc.edu>
- 42) [61042] Re: Soldering an open 150 uA meter coilspring!
by Dick Carroll <dixie@townsqsr.com>
- 43) [61043] small connectors?

by "Jeff Casey" <jcasey@notes.cc.sunysb.edu>
44) [61044] Fw: Use more power (WAS: myanmar)
by "K7FD-N7SG" <cqdx@teleport.com>
45) [61045] QRP Quarterly
by Jeff Davis <jeff@n9avg.org>
46) [61046] Re: How many QSOs on a matchhead?
by KD1YV <kd1yv@mindspring.com>
47) [61047] Re: How many QSOs on a matchhead?
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
48) [61048] Re: How many QSOs on a matchhead?
by Larry Cahoon <wd3p@juno.com>
49) [61049] Re: BCK
by K2UD@aol.com
50) [61050] Re: small connectors?
by Pete Burbank <plburbank@kih.net>
51) [61051] Re: How many QSOs on a matchhead?
by "=?UTF-8?B?TWlrZSB0w5hXRE0=?=" <michaelbstjames@email.msn.com>
52) [61052] Autek QF-1 A Audio Filter FS
by "Ken Simpson" <W8EK@fdt.net>
53) [61053] Re: How the Navy Killed my 17 year old son!
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
54) [61054] HOW CAN I FIND MY QRP-L NUMBER ????
by K2YEW@aol.com
55) [61055] Re: WD-40--Just another example
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
56) [61056] QRQ Net and SENTENCES!
by Ed Loranger <we6w@netzero.net>
57) [61057] Re: BCK
by Dick Carroll <dixie@townsqsr.com>
58) [61058] Re: WD-40--Wrisking the Wrath of the OT Police
by "Frank Grigaliunas" <fgrig@iea.com>
59) [61059] GQRP Club Renewals - now due
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
60) [61060] Re: BCK
by George F Franklin <w0av@juno.com>
61) [61061] Re: How the Navy Killed my 17 year old son!
by "Sylvester, 9M8SL" <cqsly@tm.net.my>
62) [61062] FS: dualband HT
by "J. Ervin Bates" <w8erv@email.msn.com>
63) [61063] WD-40...fishy!
by tom whalen <wb5qyt@eFortress.com>
64) [61064] Re: BCK
by Dick Carroll <dixie@townsqsr.com>
65) [61065] 80M LOOP
by ARDUJENSKI@aol.com
66) [61066] WTB: Wilderness SST for parts
by "Alan Fryer" <n3bj@hotmail.com>
67) [61067] Atlanticon side contest N2APB vs. K7Q0

- by "Chuck Adams K7Q0" <k7qo@primenet.com>
- 68) [61068] Re: How many QSOs on a matchhead?
by Monte Stark <ku7y@dri.edu>
- 69) [61069] Re: Subject: [60856] Going Solar
by Tom Randall <trandall@idsi.net>
- 70) [61070] NorCal Cap Values
by "Ed" <ac5dc@ipa.net>
- 71) [61071] Re: BCK
by Dick Carroll <dixie@townsqsr.com>
- 72) [61072] Buzzing light buzzards & other QRN shennanigans
by Nils R Young <nilsbull@juno.com>
- 73) [61073] RE: Buzzing light buzzards & other QRN shennanigans
by "AI2Q Alex" <ai2q@ispchannel.com>
- 74) [61074] RE: Soldering an open 150 uA meter coilspring!
by "AI2Q Alex" <ai2q@ispchannel.com>
- 75) [61075] Re: How the Navy Killed my 17 year old son!
by "Denis Englander" <ko6gf@slip.net>
- 76) [61076] Cans of tuner & M2000A
by Nils R Young <nilsbull@juno.com>

Date: Sat, 22 Jan 2000 00:25:14 +0000
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [61001] Amateur Allocations In The 160 Meter Band
Message-ID: <20000122.002518.-78151.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

With the discussions of the beacons that are being heard in the 160 Meter band I got curious as to what we really have for an allocation there. The best place to find out is in Part 97 itself, so I went to the FCC Rulebook from the ARRL. Here's what's there:

Chapter 5, page 5-4

160 Meters: 1800 - 2000 kHz.

"SHARING ARRANGEMENTS: Amateur Radio has a secondary status to the primary radiolocation service (both governmental and nongovernmental) from 1900 to 2000 kHz [2.106; 97.301(b); 97.303(b), (c)]. Domestically, Amateur Radio is primary from 1800 to 1900 kHz."

OK. So we are the primary user in the 1800-1900 kHz area. So a beacon on the frequency 1810 kHz is out of place and NOT protected, right? Well, maybe not.

In the paragraphs specified, there is a "bone" of sorts. Paragraph 97.303 (a) states:

"(a) Where, in adjacent ITU Regions or Subregions, a band of frequencies is allocated to different services of the same category, the basic principle is the equality of right to operate. The stations of each service in one region must operate so as to not cause harmful interference to services in the other Regions or Subregions. (See ITU Radio Regulations, No. 346 (Geneva, 1979))"

This is a sticky situation. ITU Regions 1 & 3 have different allocations, and 1800 - 1810 kHz in Region 1 has radiolocation as Primary with no Amateur Radio allocation in that range. Amateur Radio has an allocation from 1810 - 1850 kHz. Region 3 has Amateur Radio sharing the entire 1800 - 2000 kHz section as a Co-Primary user, sharing with Fixed, Mobile (except for aeronautical mobile) and radionavigation..

If these beacon signals are in fact harmonics of the FAA beacons, we have no problem, but if they are radionavigation or radiolocation beacons from an adjacent Region, we need to steer clear and NOT interfere with them.

It raises the stakes, and makes a positive ID of the source more of a priority than it might have been.

Can we pull the fuse on one of the suspect FAA beacons long enough to check this out? Do we dare even ask that such a test be done? Will I get a refund from the IRS this year? I don't have the answer to any of these questions as of yet.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
VP & FD'00 Chairman, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 21 Jan 2000 18:34:14 -0600

From: "Bob Helms" <af5z@inetport.com>

To: "QRP-L Reflector" <qrp-l@lehigh.edu>

Cc: "CTDXCC Email Reflector" <ctdxcc@kkn.net>

Subject: [61002] Georgetown, TX Swapfest - NOON - Sunday Jan 30th

Message-ID: <200001220038.SAA00738@admin.inetport.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

The Williamson County Amateur Radio Club will hold its annual SWAPFEST Sunday, January 30th with dealer setup at 10:00 AM and buyers admitted FREE at 12:00 NOON.

Location is central Texas about 30 miles north of Austin off I-35 take Exit 262A (Lake Georgetown/Andice) and go EAST to the light at McDonald's. Turn LEFT, go two blocks and turn RIGHT onto Stadium Drive. Turn LEFT at stop sign and proceed to the Community Center building in San Gabriel Park - Georgetown.

Talk-in will be available on 146.640 MHz. Lunch/snacks concession will be available. There will be door prizes and a raffle.

VE testing for both code and theory at all levels will start at 8:30 AM in the Community Center. Don't forget to bring two forms of ID (one with picture), your ORIGINAL license and any CSCEs, a copy of your license and CSCEs to be filed with your application and \$6.55 cash for the fee.

Tables are \$10 with electricity and \$8 without. City ordinance does NOT allow outdoor selling / tailgating. To reserve a table, contact Jeff Schmidt, N5MNW at (512) 255-6753 or email n5mnw@aol.com.

72,

Bob Helms, AF5Z

af5z@inetport.com

Date: Fri, 21 Jan 2000 17:44:45 -0700 (MST)

From: "Paul Harden, NA5N" <na5n@rt66.com>

To: qrp-l@lehigh.edu

Subject: [61003] PROP: Weekend condx

Message-ID: <Pine.SUN.4.10.10001211725550.5098-100000@shell.rt66.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The sun continues to be fairly quiet (considering this is supposed to be the ACTIVE sun years). In spite of two regions of sun spots that developed large magnetic fields, these regions produced only a few C

and M class flares. They have since decayed to uninteresting regions.

THE SOLAR FLUX peaked a few days ago, and is now dropping fast, hitting 159 today. This is sufficient for 10-15M to remain "open" this weekend. It will continue to drop over the next week, perhaps hitting levels low enough to shutdown 10M for a few days later next week.

THE GEOMAGNETIC FIELD has also been fairly quiet, with single digit A-indexes, and K indexes of 1-2. However, the small M-class flare on 18 January was geoeffective, meaning the shock wave from the flare will strike the earth sometime tomorrow. This will cause ACTIVE to MINOR STORM levels on saturday. Sunday should return to quiet to unsettled conditions. So saturday, the lower bands could be quiet noisy for awhile, while 10M and above should remain about normal. The estimated A-index for saturday is around 35, or minor storm levels, lowering to around 12 on sunday (active) and 5-8 on monday (quiet to active).

Excerpts of todays Space Weather report follows:

Have a nice weekend,
72, Paul NA5N

> #

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

> SDF NUMBER 021 ISSUED AT 2200Z ON 21 JAN 2000

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z

> TO 21/2100Z: SOLAR ACTIVITY WAS MODERATE. AN OPTICALLY UNCORRELATED

> M1 FLARE OCCURRED AT 21/0648UT. EIT IMAGERY FROM THE SOHO

> SPACECRAFT SUGGESTS REGION 8833 (N18W24) AS THE SOURCE OF THIS

> EVENT.

"Optically Uncorrelated" means the flare was detected by the sudden increase in x-ray energy, as detected by the SOHO satellite, but it was NOT detected optically, or through visual means. This is not unusual, as it takes a fairly large flare near the center of the sun to be seen, as smaller flares are hard to see against the bright solar surface. This is why radio astronomy and satellite platforms have been such a boom for solar astronomers in recent years by detecting flares that before went undetected when visual detection was the only means.

> A LARGE EQUATORIAL CORONAL HOLE, WHICH

> HAS BEEN VISIBLE DURING EACH SOLAR ROTATION FOR THE PAST SIX MONTHS,

> IS AGAIN ROTATING OVER THE EAST LIMB.

This is the coronal hole that has caused disturbances to our magnetic field, and thus minor storms, over the past six months. This coronal

hole spews out mass from the sun, which causes increases in the solar wind. When the solar wind pushing against our magnetic field suddenly changes, it triggers geomagnetic disturbances, generating huge currents to flow along our magnetic field lines, which causes the elevated noise levels we hear on HF.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
> TO MODERATE.

Moderate means a chance of an M-class flare, nothing larger.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:
> THE GEOMAGNETIC FIELD HAS BEEN QUIET.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BECOME ACTIVE TO MINOR STORM LEVELS IN THE NEXT 24 HOURS
> AS A CONSEQUENCE OF THE M-FLARE EVENTS OBSERVED ON 18 JANUARY.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 21 JAN 159
> PREDICTED 22 JAN-24 JAN 155/150/145

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 20 JAN 013/012
> ESTIMATED AFR/AP 21 JAN 003/005
> PREDICTED AFR/AP 22 JAN-24 JAN 025/035-015/012-008/005
 ^^^^^^^^ ^^^^^^^ ^^^^^^^
 SAT SUN MON
 MINOR ACTIVE QUIET
 STORM

Date: Fri, 21 Jan 2000 19:59:44 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [61004] Re: Pushing for DXCC/QRP
Message-ID: <38890100.141B@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> Doug and I have both spent a lot of time talking to folks
> at the ARRL about this. Both together and apart.

As I know, Ron. And I enjoyed my chat. Keep it up, though; that is the ONLY way to get the League to change its mind. Keep in mind all that as of the end of the Board meeting taking place this weekend, there will be 7 new ARRL Directors (out of 15). The balance could change (in either direction) a lot quicker than one might think.

- > With enough pressure applied via the local directors they
- > MIGHT someday change.

See <http://www.arrl.org/divisions>.

- > Most of the "big" contestors or even the next layer down
- > just don't like the slow rates you get with QRP. They would
- > rather watch a football game than run rates of 20/hr!

Hey, when I ran 10 milliwatts in the CW SS, my best hour was a 4-hour!
:-)

- > And I don't think QRP will have any affect on the FCC and
- > power levels. The people who make the equipment will just
- > put more money into the right pockets and the issue will
- > go away!

- > Just like they did with pockets at the ARRL and the FCC
- > about licensing issues over the years!

Those who make the decisions about QRP DXCC are the ARRL Board of Directors. They do not profit financially from their participation in ARRL at all; they are volunteers. What percentage of the ads in QST are aimed at the high-power operator? MFJ and subsidiaries (Vectronics, Ameritron, Mirage) certainly won't take sides. Ten Tec is clearly in the QRP business. For the other import manufacturers, VHF equipment probably accounts for the largest number of sales, although the dollar volume would probably favor the HF rigs. The vast majority of HF rigs sold are in the 100 W class. The other ads are for antenna manufacturers, power supplies, books, filters, logging software, ooh, there is the K2 ad (I am flipping through the Feb issue). The big-gun amp ads are a small percentage of the ads in QST; I am curious, whose pockets do you think are getting lined and who do you think is doing the lining?

73,
Ed Hare, W1RFI

Date: Fri, 21 Jan 2000 20:05:49 -0500
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [61005] Re: Letter to the FCC, not I believe O.T....
Message-ID: <3889026D.59EF@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom Scott wrote:

> My Comments to the FCC:

> As a suggestion, Perhaps you could modify it just slightly to allow the
> technician license access to the old Novice bands of HF if they pass the 5
> wpm test, without really creating another class of license. In other words,
> the Technician Class License would have only VHF and UHF privileges unless
> the holder also passed the 5wpm CW test, in which case they would gain
> access to what used to be known as the Novice HF bands for CW.

Tom, this is permitted under the present restructuring. I can't point to the details in the Report and Order, but from the ARRL Web page, I found the following in the Restructuring summary:

Technician desiring to gain Novice/Tech HF privileges: You may pass the 5 WPM code test at any time, before or after April 15, 2000.

I talked this over with N1KB, our Regulatory Info specialist and this is indeed the case; Techs who pass a 5 wpm test have and will have the present Nov/Tech+ operating priveleges, even though their license will still be Tech.

73,
Ed Hare, W1RFI

Date: Fri, 21 Jan 2000 17:38:29 -0700
From: Derek & Brad Mugleston <muglesto@mail.megsinet.net>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [61006] NorCal QRPp
Message-ID: <01BF6436.58916B40.muglesto@mail.megsinet.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit

I got my Autumn 1999 QRPp today - It's fantastic. I know it's probably late but what should I expect - I mailed my renewal check in late (I'll never let that happen again).

It's first article is going to be built ASAP - my biggest CW problem is zero beating (Yes, I really understand the theory) I taught my son when he was 12 (and had his General) to tune for me. I'm better but this will let me be GOOD.

Thanks Jerry, I needed this.

de KI00T, Brad

Date: Fri, 21 Jan 2000 19:16:32 -0600
From: "Mike Mullins" <mmullins@mastnet.net>
To: "QRP-L post message" <qrp-l@lehigh.edu>
Subject: [61007] Parts places in San Jose
Message-ID: <003201bf6476\$5259d240\$58d542ce@downstairs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is partly in response to a post by N0GLM regarding places in San Jose to buy electronics parts. I asked this same question to AK1P (Paul) and he gave me excellent advice. Check out <http://www.kce.com/junk.htm> I've just started to explore, but it seems that San Jose is blessed with more good 'junk' stores than any other city in the world. Disclaimer: I live in Texas. 73 de Mike KD5CMN

Date: Fri, 21 Jan 2000 20:19:54 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [61008] Two meter crystal swap
Message-ID: <20000121.191449.7895.0.N5IB@juno.com>

I humbly beg the group's indulgence for this only quasi-QRP post. My only defence, albeit weak, is that it is to help equip our club station aboard the USS Kidd museum ship (from which there has been, and will be, QRP operation) for local public service net operation. <sheepish grin>

I've donated to the cause an old IC-22A xtal-controlled xcvr for which is needed crystal pairs for Rx/Tx = 146.79/146.19, and 145.49/144.89. If

any of you have one of these relics with unneeded crystals...

I would swap (two of mine for one of yours) for your choices from:

Rx	Tx
146.76	146.16
146.82	146.22
146.85	146.25
146.94	146.34
147.15	147.75
146.91	146.31
146.46	146.46
147.00	147.60
146.80	146.20
146.73	146.13

Your pardon, please. But I'd much rather seek help within this group than any other.

73,
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 21 Jan 2000 19:38:17 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: qrp-l@lehigh.edu
Subject: [61009] FS: Test Equipment
Message-ID: <5v1i8s0mag6r4cjvbc4f2sjgfvbgul75tn@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

I have several items that nobody wanted as a package, so I'll entertain individual offers:

1. Heathkit 35 MHz dual-trace oscilloscope with probe and manual. \$90
2. Heathkit RLC Bridge with manual. \$65
3. Heathkit VTVM with RF Probe and manual for both. \$65
4. Heathkit 200w 2kw wattmeter/swr meter with manual. Two available, = \$40

each.

The freq. counter is spoken for already. Prices do NOT include shipping.

15% discount for taking the lot ... :)

--

Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =

<http://marty.w.tripod.com/>

N5NW@midssouth.rr.com

Date: Fri, 21 Jan 2000 17:38:36 -0800 (PST)

From: Jim Hale <kj5tf@yahoo.com>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [61010] 160M Miles per watt record on display

Message-ID: <20000122013836.29048.qmail@web705.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

The new 160M miles per watt record set by N4ROA &
WB8QYY is recorded on my website.

Go down the page and click on Miles Per Watt records.

While visiting, be sure to look at the N7KSB 500mW
XMTR. If you need a mW QRP rig its a great and simple
little XMTR.

500mW @ 7vdc, 250mW @ 3.7vdc.... very cool...

All data needed for 10, 15, & 20M

Never built a rig from scratch? This is where to
start!

72/71's de Jim

=====

Ham radio/alt energy - <http://www.madisoncounty.net/~kj5tf/>

Milliwatting Editor ARCI QRP Quarterly

Join/renew membership QRP Amateur Radio Club International

<http://www.qrparci.org/arcijoin.html>

AR QRP#2 - Kingston, Arkansas 35.94N 93.47W

Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
<http://im.yahoo.com>

Date: Fri, 21 Jan 2000 20:30:47 -0600
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61011] Re: Sierra and PSK31
Message-ID: <38891656.5348D153@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charles Greene wrote:

>
> If you can wait awhile, Small Wonder has a 20 meter SSB transceiver
> in the design phase that works with DigiPan software to do PSK31.
> I don't know the details on the design, but it's bound to be cheaper
> than a K2. The K2 is a great rig, but if all you want is QRP PSK31
> the Small Wonder will fill the bill.
> -----

That will be OK, if you only want to operate on 20 meters :-)
I think the K2 is a good contender in the multi-band segment.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Fri, 21 Jan 2000 21:31:22 -0800
From: "David Benson" <nn1g@earthlink.net>
To: <cgreene@loa.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61012] Re: PSK31
Message-ID: <000701bf649a\$68e14c40\$9091173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Charles Greene <cgreene@loa.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, January 21, 2000 1:06 PM
Subject: Re: Sierra and PSK31

>Steve and All,

>

>Actually, Howard, KH6TY, posted the information that I
>repeated, on the PSK31 reflector. I don't know the details
>of the hardware, so I can't comment more.

Gang-

I'll get additional preliminary information on this project posted this weekend. Thanks for your patience.

73- Dave, NN1G

Date: Sat, 22 Jan 2000 14:11:20 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61013] Re: WD-40--Wrisking the Wrath of the OT Police
Message-ID: <38891FD8.248A2F6@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would never use WD-40 near anything electronic or electrical for all the correct reasons already posted. I still use a product I used to sell 20+ years ago (yes still have one can left) it was called ECS-340.

Electronic cleaning solvent made by Electrolube in the UK, bound to have a rep in USA.

<http://www.electrolube.com/>

No longer have any connection with them but I could recommend and use their products with confidence. Their anti-static spray was good also.

--

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>

Date: Fri, 21 Jan 2000 22:23:08 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61014] Re: WD 40
Message-ID: <3888DC4C.F883BE59@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The main ingerdiant in WD-40 is kerosine.

michael N6CHV

Monte Stark wrote:

> Now we can't have that but we can sniff fumes that will start a
> car!

Date: Fri, 21 Jan 2000 21:49:23 -0500
From: Charles Greene <cgreene@loa.com>
To: n4elm@home.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61015] Re: Sierra and PSK31
Message-ID: <4.2.2.20000121214604.00a9c970@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:30 PM 1/21/00 -0600, Dave Redfearn wrote:

>Charles Greene wrote:

> >

> > If you can wait awhile, Small Wonder has a 20 meter SSB transceiver
> > in the design phase that works with DigiPan software to do PSK31.

> > I don't know the details on the design, but it's bound to be cheaper
> > than a K2. The K2 is a great rig, but if all you want is QRP PSK31
> > the Small Wonder will fill the bill.

> > -----

>

>That will be OK, if you only want to operate on 20 meters :-)

>I think the K2 is a good contender in the multi-band segment.

>

>73 - Dave

99% of the PSK31 activity, at least of mine, is on 20 meters :-))

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator
w1cg@arrl.net

Date: Fri, 21 Jan 2000 22:37:25 EST
From: K1JD@aol.com
To: qrp-1@lehigh.edu
Subject: [61016] Noise on 1.810
Message-ID: <7c.c2c03e.25ba7ff5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Anyone else here the cyclical noise on 1.810 at about 0330z? It's got a period of about 1 second and is loud enough to mask weak signals. Apologies to WB8TPM - I could not copy you through it.

72/3,
John K1JD
Jamestown, RI
<http://hometown.aol.com/k1jd/index.html>
K2's #139 & 583

Date: Sat, 22 Jan 2000 04:22:56 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: ku7y@dri.edu
Cc: qrp-1@lehigh.edu
Subject: [61017] OT: CC14
Message-ID: <200001220423.VAA11400@smtp01.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Ron et.al.,

CC14, a.k.a. carbon tetrachloride was used a long time ago to kill butterflies and bugs for biology labs, etc.

It also causes/caused tremendous headaches while/if used in a poorly ventilated area.

The owner of Percom Data Systems used to clean SS-50 computer boards and other KC-standard interfaces for SWT computers using carbon tet. In fact, when visiting him on several occasions he was cleaning stuff in a poorly ventilated room. To this day I believe he died of Leukemia brought on suddenly by the use of this product. The EPA did a lot of people some good by regulating it. I for one am glad it is gone.....

My \$0.02 worth.

dit dit

Chuck Adams K7Q0 K7Q0@primenet.com <http://www.qsl.net/k7qo/>

Date: Fri, 21 Jan 2000 23:33:22 EST
From: HWRM1SS@aol.com
To: njqrp@njqrp.org, qrp-1@lehigh.edu
Subject: [61018] NorCal Cap Kit - list of Values?
Message-ID: <32.7581c2.25ba8d12@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QRPers,

Does anyone have a list of the cap values in the old NorCal Cap Kit??? and wasn't there someone who had a label page that could be printed? I would appreciate it if someone could point me in the right direction for this information

Tnx es 72

Howard K3HW

Date: Fri, 21 Jan 2000 21:35:57 -0700
From: "Mark M." <markem@primenet.com>
To: qrp-l@lehigh.edu
Subject: [61019] Wanna Buy a 2N2/40?
Message-ID: <3.0.6.32.20000121213557.00927140@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I built a 2N2/40 from the QRP-p article last summer. It's a nifty little rig but I'm a lot more of a builder than a user and so it sits here on the bench gathering dust. It works pretty well, a good 2W out and the rcvr seems to be pretty good. It's not as well built as Jim's but it's not bad (if I do say so myself). If anyone would like to have one but doesn't want to go thru the hassle of gathering all the parts, etc, I'd be willing to sell it for about what I have in it for parts. I also have a TiC keyer and a Freq-Mite mostly added to it but it'll take a little more effort to finish installing them. It could also probably stand a little tweaking to get it just right so it's still a bit of a project (are they ever really finished?? :-). I can email pictures if interested.

Anyway, just thought I'd see if there would be any interest. I'm not looking to make a bunch of money off it, just pass it along to someone who'd use it. Please email if interested and I'll fill you in on the details.

73... Mark AA7TA

Date: Fri, 21 Jan 2000 23:39:22 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [61020] Note to Bill Moore (QRP DXCC)
Message-ID: <Pine.OSF.4.20.0001212333500.5518-1000000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill Moore is in charge of the DXCC program. Some of you DX freaks have asked for assistance in promoting a QRP DXCC Certificate. Here is my contribution.

Don't make this a thread, please. email me direct with flames and comments. 73 =paul= W8KC Collector of... you know the rest

Mr. Moore,

Just thought I'd pipe up and ask, "Where is a QRP DXCC Award?"

We QRP types have been told that there is a belief some ops may "cheat" and run more than 5 watts to aquire the award.

I don't understand why there is no similiar concern with the many DX ops who run "export" versions of popular ham amplifiers for extra help in snagging the rare ones.

Excuse me for being slightly offended that my League thinks QRP ops will cheat more than big-spending QRO DXers.

Please reconsider a QRP DXCC award at your next opportunity.

73,

Paul R. Valko - W8KC
ARRL Life Member

Date: Fri, 21 Jan 2000 20:54:46 -0800
From: Randy Prakken <rlp@ndg.com>
To: tscott@eni.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61021] Re: AD8361 - followup, no-see-um parts!
Message-ID: <38893816.E9667B98@ndg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> In a nut-shell, they suggest that you rig a hot plate with a heat spreader
> plate at a temperature just a few degrees shy of solder melting point, then
> you spread solder paste onto the board, stick the part onto the paste. You
> place that on the hot plate for a few minutes, and once the whole board is

> pre-heated, you use a heat gun blower to raise the temperature the last few
> degrees selectively watching under a magnifier to see the solder paste flow.

Also, surface mount manufacturing uses low temp solder in a special
paste. A buddy of mine says you apply it with a syringe, push the parts
on it (they stick) and then hit it carefully with a heat gun. The
surface tension of the melted solder pulls it all into place.

Randy
K7ZSB

Date: Sat, 22 Jan 2000 00:22:57 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [61022] Who Wrote Me re Fritzel antennas?
Message-ID: <200001220026_MC2-95CF-A07E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Gang:

Someone from Wahpeton, ND, wrote me a note recently re Fritzel antennas. I
must have accidentally deleted his note. Whoever that was, please write
again. Have a question. Thanks in advance :-).

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Fri, 21 Jan 2000 23:51:02 -0600
From: Dick Carroll <dixie@townsqsr.com>
To: pmk@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [61023] Re: OT: cleaning dirty pots, rotaries
Message-ID: <38894546.4963E8B1@townsqsr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

patrick m kvitkauskas wrote:

>
> It is usually a catch 22! You can clean them but it usually don't last
> very long as the cleaners tend to corrode anything it touches (as
> they clean so well). Using a cleaner with a lube tends to attract
> dust and dirt and that's another problem as well. Just about
> every service manual I have used usually recommends
> replacing the dirty pots. I thought at first it was a sales pitch
> and would clean them anyway. They would end up doing the
> same thing as before and was back to square one. I usually
> try and rotate them to the point the scratching goes away for
> a quick fix (yes it will go away but usually takes a few hundred
> turns sometimes) but lasts longer than putting some cleaner
> in them.
>
> I don't know if there is a good cleaner out there that works as
> I don't even think of cleaning a bad pot from past experiences
> and usually put up with it until I get frustrated and just replace it.
>

Many times I've seen Deoxit 5 rescue a tired pot that I was
sure had to be finished and would need replacement. If you
haven't tried it it would be worth your while to do so.
Deoxit contains a formulation that is said to penetrate
surfaces and restore conduction. I believe it.

73, dick W0EX

Date: Sat, 22 Jan 2000 00:32:50 -0600 (CST)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-l@lehigh.edu
Subject: [61024] 160m Sat Night -- Best nite of the winter!
Message-ID: <200001220632.AAA25048@sunburst.usd.edu>

Hardly any noise. The mw record seekers missed a good one!

I hope the improvement continues for the contest next weekend.

72, Ade

Date: Fri, 21 Jan 2000 22:43:11 -0800
From: Ed Loranger <we6w@netzero.net>

To: Low Power Amateru Radio Discussion <qrp-1@lehigh.edu>
Subject: [61025] Soldering an open 150 uA meter coil spring!
Message-ID: <3889517F.9DD3FCC4@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow! Talk about your luck! I had to fix this meter tonight.
It was a little meter with an open where one of the conductive
springs connects to the floating coil.

I quickly realized the pointer had to be centered before
soldering and folded some duct tape so the sticky part
wouldn't soil the needle. It held fine.

I then looked for a #30 AWG soldering tip :) :)

LOL!

It was such a fine spot to solder. Deep inside the coil
spring and quite the challenge.

I first wrapped #30 AWG tinned buss wire around the
soldering iron tip but the it wasn't enough mass to
melt the very fine silver solder or heat up the mini-spindle
connection.

I switched to #22 AWG tinned buss wire and wrapped
it around the soldering iron tip. It came off at a 45 deg.
angle or so. I tinned it quickly and let a small blob form.
I got the blob to the connection and 'Blibble!', the small
blob ended up joining the spindle solder point to the
inside copper spring as expected, and also welded
3 coils of the spring together. Waaaaa!

Well, with nerves of steel, calmed by the friendly qso
on 40 meters audible in the background, a few touches
with the #22 AWG heated wire and Voila', it was
done.

I now have the meter working! Installed and tested!

Had to share this. Wow. Talk abt. luck. If you can't
be good, be lucky.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Sat, 22 Jan 2000 02:07:48 -0500
From: Richard Powell <ripowell@mpna.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Cc: "'mattall@mpna.com'" <mattall@mpna.com>
Subject: [61026] How the Navy Killed my 17 year old son!
Message-ID: <01BF647D.B6204140.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

so friday morning, i send my 17 year old son, off with the navy recruiter, to take
him to indianapolis, for processing into the navy...
so, they drop him off at a hotel at about 5pm, UNSUPERVISED,,,, remember, he's
only 17, a minor,,,
and he goes swimming, and drowns....

so, i go through a bunch of phone calls,,,
and get ahold of the Casualty Assistance Officer in Connecticut,

and they tell me SORRY.
Sorry? That'S IT!!!!
they are not even going to send out a Chaplain to help me cry
this is just not right.
what do i do?
this is just not right.

-
Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118, FPQRP-2
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com <http://www.mpna.com/ripowell>
ICQ 39245532

Date: Sat, 22 Jan 2000 02:16:42 EST
From: PGSPersEng@aol.com
To: QRP-L@lehigh.edu
Subject: [61027] Copyright/reuse legalities: court rulings (long)
Message-ID: <86.49a799.25bab35a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Summary:

The digital age has brought new challenges to traditional copyright law, and things are rather murky in some areas. The latest court rulings, though, lean towards the opinion that traditional North American Serial Rights for now appear to extend only to printed distribution, NOT to the web or CD ROMs. Authors retain those rights unless specifically signed over.

Details:

In the discussion of printing materials first in a periodical and then putting the same material on web pages, on CD ROM or elsewhere (now known in the trade as "repurposing"), the question arises as to the rights of the original author. Does that person turn over all rights in all media when he sells an article to a magazine? I believe I might have some substantive materials that any authors on this list might be interested in - and it seems we have a few of them among us.

I came across this situation myself on a professional basis several months ago both as an author as well as the owner/editor of a magazine (_Personal Engineering_, which, after a 15-year run, has meanwhile suspended publication). We wanted to license some of the stuff that appeared in our magazine over the years to some of the online magazines. We've since reached an agreement with Chipcenter.com and with the authors.

However, the question arose as to whether we owed the original authors anything. I got in touch with our legal counsel, Bingham Dana LLP, which also handles the Boston Globe and thus has some passing familiarity with publication law.

Let me first give you her initial response to my query - along with her standard disclaimer:

[[begin quote]]

In brief, without a written agreement with the authors, there is some

possible legal exposure involved in republishing the articles. Your copyright notice on each issue of the magazine wouldn't be particularly helpful unless you had an express assignment of each author's copyrights in his/her article. If you had a written agreement with the authors granting you publication rights (particularly publication rights "in any media"), your position would be somewhat stronger.

A similar issue got the NY Times into some hot water recently. It republished on its website some articles originally published in print. Some of the authors involved were successful in challenging the republication without their consent. In that case, there was a written agreement granting publication rights, but the court found that it wasn't broad enough to cover on-line publication.

Legal Advice Disclaimer: You should recognize that responses provided by this e-mail means are akin to ordinary telephone or face-to-face conversations and do not reflect the level of factual or legal inquiry or analysis which would be applied in the case of a formal legal opinion. A formal opinion could reach a different result. We would, of course, be happy to prepare such a definitive statement or formal opinion if you would like us to.

[[end quote]]

The New York Times action she refers to is a suit by the National Writers Union on behalf of Jonathan Tasini. The first court ruled in favor of the NYT. However, on September 24, 1999, the Second Circuit Court of Appeals reversed a federal district court decision against the plaintiffs in Tasini et al. v. New York Times et al. The appeals court ruled that the reuse of freelance work on databases and CD-ROMs without the authors' express permission constitutes copyright infringement.

The web site for the NWU (www.nwu.org) contains extensive information about the lawsuit and also includes a FAQ that tells exactly what it means to individual authors. That site also has some other valuable resources including a Guide to Fair Use which examines the latest Copyright law and helps an author understand what you may quote from another, how much and when you can do so without incurring liability.

72,

Paul G Schreier AA1MI Rye, NH
aa1mi@ARRL.net
QRP-L #360 WAS/QRP DXCC/QRP
President, Port City ARC (W1WQM)

Date: Sat, 22 Jan 2000 02:27:10 -0500
From: Richard Powell <ripowell@mpna.com>
To: "'Dave Fifield'" <fifield@pacbell.net>
Cc: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [61028] RE: How the Navy Killed my 17 year old son!
Message-ID: <01BF6480.6B268020.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

thank you.
please understand that i am still in shock.
my issues are as follows:

1. i signed for him to go (under 18)
2. i gave him to the navy recruiter for safe keeping.
3. he died under their supervision
4. THEY ARENT EVEN SENDING OUT A CHAPLAIN!!!

as far as the navy is concerned,,,,, tough s--t buddy, your son died, too bad.

THAT IS WHAT PISSES ME OFF THE MOST
cc'ng to list

-----Original Message-----

From: Dave Fifield [SMTP:fifield@pacbell.net]
Sent: Saturday, January 22, 2000 2:19 AM
To: ripowell@mpna.com
Subject: Re: How the Navy Killed my 17 year old son!

Wow....that's terrible Richard....it begs a few other questions though...
Could your son swim? Had they been drinking? Had he eaten a huge
meal prior to going? Looking for reasons here of course....it may help
you further down the road to know what happened exactly.

Of course, nothing can bring him back now. You will eventually get
over the sorrow and heartache and remember all the great times you
had together - it doesn't sound like much comfort now, I know, but
be assured you will get through it all.

We'll be thinking of you. I'm not religious, so I don't say prayers,
but I do believe in the power of collective thinking. I'm sure all the
guys on QRP-L will have you in their thoughts.

Don't worry about replying - only if you want to.
All the best,
Dave Fifield, AD6A

----- Original Message -----

From: "Richard Powell" <ripowell@mpna.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, January 21, 2000 11:07 PM
Subject: How the Navy Killed my 17 year old son!

> so friday morning, i send my 17 year old son, off with the navy recruiter, to
> take him to indianapolis, for processing into the navy...
> so, they drop him off at a hotel at about 5pm, UNSUPERVISED,,,, remember, he's
> only 17, a minor,,,
> and he goes swimming, and drowns....
>
> so, i go through a bunch of phone calls,,,
> and get ahold of the Casualty Assistance Officer in Connecticut,
>
> and they tell me SORRY.
> Sorry? That'S IT!!!!
> they are not even going to send out a Chaplain to help me cry
> this is just not right.
> what do i do?
> this is just not right.
>
> -
> Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118, FPQRP-2
> Senior Network Engineer, Belcan IT Division
> MCSE, CNA.
> ripowell@mpna.com <http://www.mpna.com/ripowell>
> ICQ 39245532
>

Date: Sat, 22 Jan 2000 02:47:15 EST
From: PGSPersEng@aol.com
To: QRP-L@lehigh.edu
Cc: aa1sb@arrl.net
Subject: [61029] How many QSOs on a matchhead?
Message-ID: <44.123c565.25baba83@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable
Content-Language: en

Gang,

Any chemists in the house who can help me out here?

I'm constantly amazed by what we can do with so little power -- and by how clueless our friends and loved ones are about our accomplishments.

For instance, this past week I had a QSO from my home in seacoast NH with Jim, KL7FS, in Anchorage. He called CQ on 10 meters with 50 mW.

How would I -- to help my family not look at me like I belong in the loony bin as I jump with joy because of our QSO -- convert into watts the energy given off by a burning kitchen match? I'm getting confused between units of energy and units of power (energy per unit time) and in trying to make a reasonable conversion between the two for this example. And this certainly isn't something I'm able to find a reference to in my old (way old) book for

Thermodynamics 201.

I'd love to be able to say, "Well, I just talked to this guy in Alaska, and I used no more power than you get from burning XX matches!"

Some "handy" real-world references I ran into in a casual web search (mostly science-fair sites):

- * one match has the energy content of "a few" Joules (a guess from an astronomer)
- * 1000 BTUs approx equal to an average candy bar OR 4/5 of a PBJ sandwich
- * 1000 BTUs approx equal to one hour of bicycling
- * one peanut, when burned, gives off roughly 2.5 BTUs
- * a lemon can produce 1 mA at 0.7V. If P still equals IE, then the lemon has the stored power equivalent of 0.7 mW - but we don't know how long it would run.

I also learned from the Alaska Science Forum that oven-dried wood (with zero moisture content) of almost any type has 8600 BTUs per pound. As for regular wood (air dried, moisture content 20%), hickory provides about 30,000,000 BTUs per cord, and at the low end balsam poplar gives off 17,500,000 BTUs per cord.

Now, if we can only figure out how many matches you can make from a cord of wood

Anybody got any ideas on how to convert our accomplishments into household units?

Paul G Schreier AA1MI Rye, NH
aa1mi@ARRL.net
QRP-L #360 WAS/QRP DXCC/QRP
President, Port City ARC (W1WQM)

Date: Sat, 22 Jan 2000 09:09:59 GMT
From: John Fletcher <johnf@innotts.co.uk>
To: "G QRP Club" <gqrp@onelist.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61030] Further message from Kanga Products
Message-ID: <200001220909.JAA31627@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

I'm starting to patch up the computer again. I still can't access Kanga's mail but if you have any messages for Kanga, please send them to me here at innotts. If you are waiting for a kit delivery, especially the Stockton Wattmeter, I do apologise for the delay but urgent domestic duties (house clearance following a family bereavement) have prevented me doing the re-design I promised. If you can bear with me a little longer, the new kit will be available as soon as possible. I hope to have Kanga back on line this weekend but I can't be sure.

73,

John G4EDX

Kanga Products

Date: Sat, 22 Jan 2000 10:15:40 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [61031] Re: WD 40
Message-ID: <008c01bf64c1\$c0bf6e20\$53a732d4@kar2722i>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Another use for this magic stuff: to make Blutak even more adhesive is to add a few drops of WD40 and mix in well. Try it. Did you get it off your hands? Sticks pretty well eh?
Cheers.

Frank G3YCC GQRP 042
QRP web pages: <http://www.g3ycc.karoo.net>

Date: Sat, 22 Jan 2000 04:53:05 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: PGSPersEng@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61032] Re: How many QSOs on a matchhead?
Message-ID: <3.0.2.32.20000122045305.007d7690@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Paul et al,

Not technical but...

How about miniature Christmas tree lights compared to a 150W light bulb.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 22 Jan 2000 06:24:45 EST
From: Mercxx@aol.com
To: qrp-l@lehigh.edu
Subject: [61033] Cleaning shack/For Sale
Message-ID: <4b.b80bb5.25baed7d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi all,

Selling a couple of items to purchase another project>

Wilderness Radio 40m SST sells for 85.00 will sell for 75.00.
Oak Hill Research SCF-1A switched capacitor filter 65.00 obo.

Thanks for the bandwidth.

73
Steve
N4TKP
QRP-L 1763

Date: Sat, 22 Jan 2000 06:55:41 -0600
From: jmbrown@edge.net (JERRY BROWN)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61034] WANTED POQET PQ0181
Message-ID: <002601bf64d7\$fd9415b0\$7169cfd8@brown>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For anyone who have upgraded to the
Poquet Plus and would like to sell their PQ0181-
please e-mail me

72,

Jerry N4EO
jmbrown@edge.net

Date: Sat, 22 Jan 2000 08:07:01 -0500
From: Rick Sealey <rsealey@InfoAve.Net>
To: qrp-l@lehigh.edu
Subject: [61035] BCK
Message-ID: <4.1.20000122072029.0095eac0@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Howard makes a good point about 1810KHz being the 5th harmonic of 362KHz,
but I think it is unlikely that is the source of the signal on 1812.
According to Ken Stryker's Aero/Marine Beacon Guide, BCK in Wisconsin
outputs at 25 watts, typical of most FAA NDBs (non-directional beacons.)
The Airnav web site <http://www.airnav.com> indicates it is owned by

Jackson County.

As an old NDB chaser (well, I'm not THAT old), I am aware of the difficulty in copying these beacons at distance, but I have also made numerous loggings that were pretty amazing. However, unless there is something extremely wrong with BCK 362, requiring the output to be very nasty and considerably off frequency, possible, I guess, in the extreme cold of WI, a harmonic that high would be so attenuated that it would be hard to hear a mile away, much less the distance from Black River Falls, WI to Cincinnati, and into VA.

Verifying it would be as simple as those folks that are hearing it and have the capability, monitor the signal simultaneously on 1812 and 362 to see if they are the same. If it does turn out to be the culprit, both the FAA and the Jackson County airport authority should be notified.

I've not been able to log BCK 362 or BCK 1812 here in NC.

Good luck with the detective work.

Rick - W4SEA
High Point, NC

Date: Sat, 22 Jan 2000 07:42:43 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: HWRM1SS@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61036] Re: NorCal Cap Kit - list of Values?
Message-ID: <3889C1E3.611F7E38@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Me too, pse. Just received mine, and dread the thought of using the magnifier to identify them all.

--

72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Sat, 22 Jan 2000 09:16:08 -0600
From: Dick Carroll <dixie@townsqsr.com>
To: FrConrad@aol.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [61037] Re: WD-40--Wrisking the Wrath of the OT Police
Message-ID: <3889C9B8.2B7E34FC@townsqsr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FrConrad@aol.com wrote:

>
> ...and speaking of using WD-40 FOR QRP APPLICATIONS...
>
> WD-40 was the 40th formula invented for the space program as a Water
> Displacement film to spray on wrockets, nose cones, satellites, and the
> powered washtubs they were sending into space in the 60's. (Sometimes I feel
> like formula WD-39).
>
> It contains some kind of varnish that "protects" the surface after the
> propellant and later the lubricant evaporate. This varnish stays and will
> build up.
>
> I discovered this in one of my past lives by spraying it onto an airplane
> trim jack screw that was getting stiff. Spray it on, and things work better
> for a while, then they get stiffer. Spray it on again (I am a slow learner)
> and they work okay and then get stiffer yet. Spray it on again and when it
> dries, things bind solid.

In a previous life I worked for a state Highway Patrol. At one time, over 15 years ago, somehow they wound up using WD40 to clean and lubricate all their weapons.

The first hint of trouble came when a trooper stepped from his cruiser to check on a stalled car, was only a few feet from his parked vehicle which had the door open and engine running, when some drifter-opportunist stepping out of nowhere, catching the trooper with his back turned, hopped into the trooper's car and proceeded to drive off. Trooper immediately drew his trusty S&W model 60 .357 and pulled down on the back of the perps fast-shrinking head. Click! Round two, Click! About this time, he began to realize the hammer was very sluggish and had not enough energy to crack the cap.

Shortening the long story, every weapon in the organization had to be completely cleaned and several gallons of WD40 were discarded.

Strange part of it is that every officer did one full session of range practice each quarter. Evidently some were using more of the stuff than others in the post-firing cleaning session.

The results could easily have been far worse.

WD40 has managed to pick up an awful reputation, though it is very useful for some things. Just not much as a lubricant, which seems to be what most people use it for.

Dick

Date: Sat, 22 Jan 2000 10:25:06 EST
From: AC6JA@aol.com
To: qrp-1@lehigh.edu
Subject: [61038] Wilderness Radio Norcal 40A FOR SALE!
Message-ID: <93.9e335e.25bb25d2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have a well-built, fully functional Wilderness Radio Norcal 40A with KC1 installed on the rear panel. the radio looks and works well. nice quiet noise floor and smooth QSK. also have an AF gain control mounted above the RF gain control using same knob so looks like it was meant to be there. performed the frequency expansion mod so the rig covers 7006 to 7060 khz.

am asking \$125.00 or best offer with shipping included.

let me know if interested or have any questions.
thanks!

mike AC6JA

Date: Sat, 22 Jan 2000 08:27:18 -0700
From: Ray Colbert <af852@rgfn.epcc.edu>
To: ku7y@dri.edu
Subject: [61039] Re: WD 40
Message-ID: <3889CC56.4BA6B8FC@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For sure Ron. When I was assigned to the FBI office in LA, my boss had us cleaning the model 28 and 33 Teletype machines in #3 washtubs full of Carbon Tet. Of course that was before the EPA said such products were harmful. However, I have had a number of friends that were in the radio service business

from the 40's thru the 70's that passed on from various, rare types of cancers, and as Chuck indicated, most likely brought on by the cleaning agents we have used - not the rf saturation as some would have us believe. Oh, after they banned the Carbon Tet, we used the same tubs with TriChlorethelyne - worked almost as well, but not supposed to be toxic. Ha!

73

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 22 Jan 2000 15:35:09 +0000

From: Brian Short <bshort@speedchoice.com>

To: qrp-l@lehigh.edu

Subject: [61040] Re: How the Navy Killed my 17 year old son!

Message-ID: <4.1.20000122151456.0309ae40@mail.phoenix.speedchoice.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Richard,

First and foremost, I feel it is important to express condolences at your sudden loss.

However, it seems you have displaced some of your emotion. I'm not saying that what happened is not tragic (it is), but you must have known the process for entering the service as you experienced it in 1976.

It seems to me that when you signed the papers for your son to enter the service prior to his 18th birthday you must have considered him mature enough to handle the adventure.

It was standard procedure in 1977 to take the prospective recruits to the Holiday Inn in Cleveland prior to processing at AAFES and being shipped off to Great Lakes. The night I spent there, I recall being approached to purchase illicit drugs inside the hotel. I didn't buy them and I did not die of an overdose. But, had I, it would not have been the fault of the Navy.

The point is that you need to grieve, but lashing out at the Navy on an amateur radio mailing list is unlikely to aid in the healing.

My wife has been an occupational therapist at a VA Hospital for about 15 years and she sees a lot of tragedy associated with military service, so you are not alone in that regard.

Again, condolences.

Brian

At 07:07 AM 1/22/00 , you wrote:

>so friday morning, i send my 17 year old son, off with the navy recruiter,
>to take him to indianapolis, for processing into the navy...

>so, they drop him off at a hotel at about 5pm, UNSUPERVISED,,,, remember,
>he's only 17, a minor,,,

>and he goes swimming, and drowns....

>

>so, i go through a bunch of phone calls,,,

>and get ahold of the Casualty Assistance Officer in Connecticut,

>

>and they tell me SORRY.

>Sorry? That'S IT!!!!

>they are not even going to send out a Chaplain to help me cry

>this is just not right.

>what do i do?

>this is just not right.

>

>-

>Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118, FPQRP-2

>Senior Network Engineer, Belcan IT Division

>MCSE, CNA.

>ripowell@mpna.com <http://www.mpna.com/ripowell>

>ICQ 39245532

--

Brian K. Short <http://www.qsl.net/k7on/> <mailto:k7on@arrl.net>

--

Date: Sat, 22 Jan 2000 08:37:40 -0700

From: Ray Colbert <af852@rgfn.epcc.edu>

To: qrp-l@lehigh.edu

Subject: [61041] Re: Noise on 1.810

Message-ID: <3889CEC4.4BE658C8@rgfn.epcc.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Sure wish I could hear noises around 1.810, even a signal.
Except I have about 100 yards from my place a 5 kw broadcast
transmitter, 600 Khz and you can imagine what the third
harmonic does to 160 meters. Ah, someday tho, maybe I can
join in on the 160 fun. In the meantime I will enjoy reading
about all the efforts on that band.

73 and gl

Ray

--

"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 22 Jan 2000 09:38:38 -0600

From: Dick Carroll <dixie@townsqsr.com>

To: we6w@netzero.net

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [61042] Re: Soldering an open 150 uA meter coilspring!

Message-ID: <3889CEFE.4C66AEC4@townsqsr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

>

> Wow! Talk about your luck! I had to fix this meter tonight.

> It was a little meter with an open where one of the conductive

> springs connects to the floating coil.

> with nerves of steel, calmed by the friendly qso

> on 40 meters audible in the background, a few touches

> with the #22 AWG heated wire and Voila', it was

> done.

>

> I now have the meter working! Installed and tested!

>

> Had to share this. Wow. Talk abt. luck. If you can't

> be good, be lucky.

>

Hi Ed....Congrats, that sort of thing is touchy as brain
surgery.

I worked with a guy whose motto was "I'd rather be lucky than good!"

Dick W0EX

Date: Sat, 22 Jan 2000 11:35:28 -0500
From: "Jeff Casey" <jcasey@notes.cc.sunysb.edu>
To: qrp-1@lehigh.edu
Subject: [61043] small connectors?
Message-ID: <8525686E.005B1DAA.00@notes.cc.sunysb.edu>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang,

Where would I find small connectors suitable for connecting a transceiver pc board to knobs and switches mounted on the front and rear panels of the enclosure? There would be wires running from the pc board to male connectors and wires running from the knobs and switches to female connectors. Thus, the connectors will be free floating -- not mounted to anything. I need one, two, and three conductor connectors.

I'm new at this and would greatly appreciate any suggestions.

Thanks & 72,
Jeff
WB5GWB
Long Island, NY

Contact me for info on the Long Island QRP Club

Date: Sat, 22 Jan 2000 08:49:02 -0800
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61044] Fw: Use more power (WAS: myanmar)
Message-ID: <003401bf64f8\$97a36c80\$57231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

And here I sit with my lil' K2 ready to take on the world...

72 John K7FD

>>I agree with Jim, listened on 3.795/3.800 for myanmar and they were
>>there working their butts off but just could not hear a lot of stations
>>calling them.
>>"If you can't hear 'em, you can't work 'em"
>>"If they can't hear you, they can't work you."
>>73 Doug VE7DUG
>
> Have a 550 volt service installed in your home and homebrew an amp
>that takes its input from a dual 3-500Z intermediate.
>
> I have a Kenwood TS-940S as an exciter driving a Ten-Tec Centurion
>that puts out about 1400 Watts on 80 metres. This drives my homebrew final
>amp that uses the 550 V mains I mentioned above. The transformer was hand
>>wound by a friend of mind and weighs about 350 lbs. It drives four
>4CX1600B tubes and if I'm carefull tuning it I can get about 6500-7000
>watts out on 80 . . . on the higher frequencies about 6000 watts is all
>it'll do...etc, etc...

>
>73/DX Paul VE1DX

Date: Sat, 22 Jan 2000 11:52:49 -0500
From: Jeff Davis <jeff@n9avg.org>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [61045] QRP Quarterly
Message-ID: <20000122115249.A12652@n9avg.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just received the new QRP Quarterly ... HOT DOG!

What a tremendous issue. From the tres cool DSW-20 kit built in that great looking wooden box (kudos Jim, N5IB!) on the cover to the Contest Corner in the back this one has to be the best edition of QQ to date.

Congrats and thanks to all who work hard to bring it all together. It is

much appreciated.

--

72 de Jeff, N9AVG

Date: Sat, 22 Jan 2000 11:57:24 -0500
From: KD1YV <kd1yv@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61046] Re: How many QSOs on a matchhead?
Message-ID: <3889E174.15961BDB@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't have the answer, and I don't mean to rain on anybody's parade, but when we make these comparisons, shouldn't we be using INPUT power? After all, the power ratings on light bulbs is how much power they consume, not how much "light power" they put out.

Just my \$0.08 (adjusted for 1969 inflation)

--

72/73 de Jim, KD1YV

Some days you're the dog, some days you're the hydrant.

Chuck Carpenter wrote:

> Hi Paul et al,
>
> Not technical but...
>
> How about miniature Christmas tree lights compared to a 150W light bulb.
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sat, 22 Jan 2000 08:28:04 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: PGSPersEng@aol.com, "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [61047] Re: How many QSOs on a matchhead?
Message-ID: <3889E8A4.301E3898@pobox.alaska.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul, you are having fun, aren't you? :-) Me, too.

The next day conditions had deteriorated to the point we could not have done what we did. I love 66,820 miles per watt QSOs....on random...my mW CQ...first call! Neat! You allowed me to go from a 5 Watt NH QSO to a 50 mW QRPp QSO. Same day I picked up MI at 50 mW, down from 2.5 W. WAS total power used is down and state count for QRPp is up. Check out my updated QRPp WAS listing on my website. You are now listed.

Thank you for boldly replying to a minuscule CQ on 10 meters.

CUL and 73,
Jim

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@qsl.net>
ICQ 11022915 (ICQ info at <http://www.icq.com/>)

PGSPersEng@aol.com wrote:

> Any chemists in the house who can help me out here?

Date: Sat, 22 Jan 2000 17:26:22 +0000
From: Larry Cahoon <wd3p@juno.com>
To: kd1yv@mindspring.com, qrp-l@Lehigh.EDU
Subject: [61048] Re: How many QSOs on a matchhead?
Message-ID: <20000122.172750.20566.1.wd3p@juno.com>

On Sat, 22 Jan 2000 11:57:24 -0500 KD1YV <kd1yv@mindspring.com> writes:
>I don't have the answer, and I don't mean to rain on anybody's parade,
>but
>when we make these comparisons, shouldn't we be using INPUT power?
>After
>all, the power ratings on light bulbs is how much power they consume,
>not
>how much "light power" they put out.
>

A very good point.

73 de Larry.....WD3P

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 22 Jan 2000 12:41:16 EST
From: K2UD@aol.com
To: qrp-1@lehigh.edu
Subject: [61049] Re: BCK
Message-ID: <29.8ba6db.25bb45bc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It would be interesting to see if there is a strong signal on 1450kHz (AM band) in the areas that BCK are being heard in. That might indicate a mixing product on 1812kHz.

Heard it one time around 10-11MHz. Radio Habana and a strong local AM station were mixing, likely through some nearby non-linear element (rusty gutter, etc.), and outputting on a frequency that neither of them were assigned to. Did the math, found RHC on their frequency. Good signal too!

72

Howard Kraus, K2UD

Date: Sat, 22 Jan 2000 12:45:31 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [61050] Re: small connectors?
Message-ID: <3.0.32.20000122124528.0072903c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:35 AM 1/22/00 -0500, you wrote:

>

>

>Gang,

>

>Where would I find small connectors suitable for connecting a transceiver pc board to knobs and switches mounted on the front and rear panels of the

>enclosure? Jeff
>WB5GWB
>Long Island, NY

Jeff,
A trashed VCR has some nice small connectors. The male connectors all seem to be board mount types so you would have to dummy up some sort of shell, perhaps shrink tubing from RS. Some have many pins but you could just cut off what you need. They are also color coded and most important, free. :-)
73 Pete NV4V

Date: Sat, 22 Jan 2000 12:00:43 -0600
From: "=?UTF-8?B?TWlrZSB0w5hXRE0=?" <michaelbstjames@email.msn.com>
To: <PGSPersEng@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [61051] Re: How many QSOs on a matchhead?
Message-ID: <002c01bf6502\$9cd97460\$ed340b3f@default>

Paul is closing in on a "Nils" award.
May I have the envelope please. :-)

Mike in Minnesota

> the energy given off by a burning kitchen match?

Date: Sat, 22 Jan 2000 13:01:12 -0500
From: "Ken Simpson" <W8EK@fdt.net>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [61052] Autek QF-1 A Audio Filter FS
Message-ID: <007601bf6502\$c1248800\$6d2bfea9@kensimps>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Autek QF-1 A audio filter.

This filter is made to be inserted in the audio line,
just after the audio from the rig, but before the

speaker. It has several different modes -- it has a primary notch filter that one can set the frequency, or width. This can also be changed to act as a "peak" so that you have a CW filter with variable bandpass. It can also be set as a high pass or a low pass filter, to filter out "crud" on the high or low frequency end. In addition there is a second notch filter that is available. You can set its frequency from 80 Hz up to 11 kHz. It is powered off of 120 V AC, so you do not need any additional power supply. I think it can also be used from 12 V DC, with the addition of an appropriate connector.

This is a very versatile unit! In nice shape, with manual for \$45 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Sat, 22 Jan 2000 12:09:53 -0600
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>
To: <ripowell@mpna.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61053] Re: How the Navy Killed my 17 year old son!
Message-ID: <004301bf6503\$e29fe460\$ed340b3f@default>

Richard

I am 'religious' and my family and I will pray tonight that the peace of Christ that surpasses all understanding will comfort you and your family in the hours and days to come.

We're not designed to outlive our children and the pain you and your family must be suffering is incomprehensible to those who have not experienced such a reversal of the natural

order.

Thank you for sharing you grief with your QRP family.
It is one Off Topic that is always welcome in my e-mail
box. It is sad enough to deal with a death in the
family sadder still to deal with it without the
support of anyone who can pray, feel and care for you.

Mike in Minnesota

Date: Sat, 22 Jan 2000 13:40:26 EST
From: K2YEW@aol.com
To: qrp-l@lehigh.edu
Subject: [61054] HOW CAN I FIND MY QRP-L NUMBER ????
Message-ID: <28.118baa2.25bb539a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Can anyone give me info on how to get the qrp-l number assigned to me when I
first got on this loop ?

Norman Wesler K2YEW@AOL.COM

Date: Sat, 22 Jan 2000 09:52:30 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: dixie@townsqsr.com, "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [61055] Re: WD-40--Just another example
Message-ID: <3889FC6E.6DA29629@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dick Carroll wrote:

> WD40 has managed to pick up an awful reputation, though it is very useful for
some things. Just not much as a lubricant, which seems to be what most people use
it for.
> Dick

This type of stuff (and the comments over the last few days) is what I love about QRP-L. I am over 50 years old and it was ON THIS LIST in the last three years that I learned about WD-40 not being a lubricant. I never read the words on the can of WD-40. QRP-L and the wonderful folks here teach many things to many of us. Thank goodness.

73, Jim, AL7FS

Date: Sat, 22 Jan 2000 11:03:27 -0800
From: Ed Loranger <we6w@netzero.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>, NB6M@mer.win-net.org, Ben <BenNW7DX@aol.com>
Subject: [61056] QRQ Net and SENTENCES!
Message-ID: <3889FEFF.92621663@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Been getting calls for the weekly sentences we will be sending on the QRQ net, I couldn't find many direct email addresses but they read qrp-l anyway. (K7TQ, I lost your email addr. No qrz entry.)

Sundays (Monday UTC.)
QRQ net, 7039 KHz; 6 PM PST (0200Z), 13-24 WPM
QRQ net, 7039 KHz; 7 PM PST (0300Z), 18-40+ WPM

Here are the sentences:
(Summary from 1950 ARRL HdbK, Ch:10)

- 1) An improved transmission line does not increase antenna efficiency.
- 2) The characteristic impedance of a transmission line is the SQRT of L/C per unit length.
- 3) An infinitely long or matched feedline has a constant ratio of V/I on it.

Hope you can QNI Sunday evening, PST.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Get your FREE Internet Access and Email at
<http://www.netzero.net/download/index.html>

Date: Sat, 22 Jan 2000 13:04:35 -0600
From: Dick Carroll <dixie@townsqsr.com>
To: rsealey@InfoAve.Net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [61057] Re: BCK
Message-ID: <3889FF43.70580502@townsqsr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick Sealey wrote:

>
> Howard makes a good point about 1810KHz being the 5th harmonic of 362KHz,
> but I think it is unlikely that is the source of the signal on 1812.

I rather believe that it may well be. But, remembering back, all the NDB's I worked with years ago are amplitude modulated with a single audio tone for reception by an aircraft AM receiver. The single time that I heard BCK here in south Missouri, it was very weak with too much noise to get more than one or two copies on the BCK callsign. Next time I'll try to copy it as an AM signal and see what happens. I don't know of any LF NDB nav aids that are *not* AM. If others do, it would be pertinent information. Maybe someone near enough to Jackson Co Wisconsin could check on it.

Dick W0EX
Willow Springs, MO

Date: Sat, 22 Jan 2000 11:14:37 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [61058] Re: WD-40--Wrisking the Wrath of the OT Police
Message-ID: <E12C60u-0000XF-00@dfw-mmp4.email.verio.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I've also heard that WD-40 is good for arthritis because it contains the penetrant DMSO, which has been touted as bringing relief to aching joints.

Of course, DMSO has also been blamed with killing off nerve tissue, and as it penetrates your skin, it carries the other ingredients of the WD-40 with it.

(very lame) QRP tie-in: Instead of WD-40, you could use one of those copper bracelets. They don't do anything for the arthritis, but you might be able to use the copper in some radio project sometime.

Frank, AB7YT

Frank and Karen Grigaliunas, 1816 W. Dean, Spokane, WA 99201
fgrig@iea.com --*-- (509) 326-7147 --*-- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people."

Date: Sat, 22 Jan 2000 14:24:33 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [61059] GQRP Club Renewals - now due
Message-ID: <200001221925.0AA14489@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

My mailbox is startitng to return to normal after the Jan 1 renewal rush for G-QRP, so I can now put out a reminder to all of you who have forgotten to renew.

I handle G-QRP Club renewals on this side of the Atlantic. Please send a check for \$14 (per year) to:

Bill Kelsey
3521 Spring Lake Dr.
Findlay, OH 45840

Make it out to G-QRP Club, and include your G-QRP number and your callsign. Let me know if there are any address or callsign changes since last year - otherwise all I need is the number and callsign.

I also take care of new memberships - Also \$14. Include callsign, name, address.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Sat, 22 Jan 2000 13:39:45 -0600
From: George F Franklin <w0av@juno.com>
To: dixie@townsqsr.com
Cc: qrp-1@Lehigh.EDU
Subject: [61060] Re: BCK
Message-ID: <20000122.134004.-121267.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Dick,

Most of the "modern" NDB's use two xtal oscillators, one offset by 1.020 KHz. to produce a type of modulation which appears to an AM receiver as true AM.

Many of these NDB's use a pair of transistors in the output stage which, when overdriven, produce very nice square waves, rich in harmonics.

The so-called compass locator beacons off the end of a runway usually employ short, center-loaded and very inefficient vertical antennas. The "beacons" often use a fairly efficient flat top antenna and an extensive ground radial system which could radiate harmonics quite well.

Some years ago I was employed by a Kansas City, KS firm which manufactured 50W transistorized NDB's for compass locator and beacon applications.

I have been unable to hear BCK on 1810 through the QRN, but the other morning in QSO with a Wisconsin station a station signing "VIA" was giving the WI station trouble copying my 5W QRP signals. That was about 1811 KHz., as I recall.

72 de George/W0AV

Date: Sun, 23 Jan 2000 03:41:18 +0800
From: "Sylvester, 9M8SL" <cqsly@tm.net.my>
To: michaelbstjames@email.msn.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61061] Re: How the Navy Killed my 17 year old son!
Message-ID: <20000122194118.BSER2700@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Richard & Family,

Fully agreed with what OM Mike said.
dr Richard & Family, My condolences too you and your family as well.
This OT is most welcomed in my e-mail box too. In time of grief, it is
always nice to have
some caring supports. My prayers to you and your family...
Sylvester (Sly) Liew, 9M8SL
East Malaysia, Borneo Island.

At 12:09 PM 1/22/00 -0600, you wrote:

>Richard
>Thank you for sharing you grief with your QRP family.
>It is one Off Topic that is always welcome in my e-mail
>box. It is sad enough to deal with a death in the
>family sadder still to deal with it without the
>support of anyone who can pray, feel and care for you.
>
>Mike in Minnesota
>
>
>
>
>

Date: Sat, 22 Jan 2000 14:43:42 -0500
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [61062] FS: dualband HT
Message-ID: <00af01bf6510\$fdc08d00\$74451b3f@win98>

Hi gang:

Well the thinning continues as I work on my vacation station. I have two
items to post, for those who are interested.

First is a Kenwood TH 79A, dualband HT. Excellent condition 9+. Comes with PB-34 battery pack, antenna, protective case, and manual in both English and Spanish. Price is \$300 shipped and insured CONUS.

Second, a Vibroplex Brass Racer, EK-1 in good condition. Needs some attention (shining up) on the brass, but seems to work well. I used this on my rigs til I got the Bencher and hate to see it go to waste. Price is \$80 shipped and insured CONUS.

All inquiries to me, personally, please and I'll see you all on the bands.

72,

Erv W8ERV

HamFair2000 is coming...ask me about it!

"Dare to Dream-It Sets Your Spirit Free!"

Date: Sat, 22 Jan 2000 07:42:19 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [61063] WD-40...fishy!
Message-ID: <3889C1CB.2DD@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Some of the guys at the salt mine tell me they spray WD-40 on their spinners and lures when fishing. Sounds fishy to me, but they swear by it!

I use it to lube the barrel of my PAL(pnuematic antenna launcher). I'm sure I get another 10' feet out of it! LOL...

72, Tom WB5QYT...."Have spud will travel!"...

Date: Sat, 22 Jan 2000 13:50:41 -0600
From: Dick Carroll <dixie@townsqr.com>
To: K2UD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [61064] Re: BCK

Message-ID: <388A0A11.200C7AAC@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Turns out there IS an AM BC on 1450kc that runs 10db over
S9 on the same antenna and receiver I used to copy BCK that
single time. But I think they are a daytime-only station.
Next time I hear BCK I'll check
to see if the 1450kc AM is on the air also.

Dick W0EX

K2UD@aol.com wrote:

>
> It would be interesting to see if there is a strong signal on 1450kHz (AM
> band) in the areas that BCK are being heard in. That might indicate a mixing
> product on 1812kHz.
>
> Heard it one time around 10-11MHz. Radio Habana and a strong local AM station
> were mixing, likely through some nearby non-linear element (rusty gutter,
> etc.), and outputting on a frequency that neither of them were assigned to.
> Did the math, found RHC on their frequency. Good signal too!
>
> 72
>
> Howard Kraus, K2UD

Date: Sat, 22 Jan 2000 15:07:25 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [61065] 80M LOOP
Message-ID: <3d.808b53.25bb67fd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QUESTION: 80M LOOP (horizontal) coax fed. If connecting only the center feed
wire at the tuner (at appropriate connection point), will the antenna act
just as an endfed 1/2 wave antenna for 160M (but looped)?
Alan KB7MBI

Date: Sat, 22 Jan 2000 12:14:26 PST

From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-1@lehigh.edu
Cc: forsale-swap@qth.net
Subject: [61066] WTB: Wilderness SST for parts
Message-ID: <20000122201426.4817.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: Wilderness SST for parts, any band. Need cover, PCB, other parts, to repair physically damaged unit. Non-working, problem, damaged units OK.

Alan, N3BJ

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sat, 22 Jan 2000 20:35:06 -0600
From: "Chuck Adams K7Q0" <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [61067] Atlanticon side contest N2APB vs. K7Q0
Message-ID: <200001222034.NAA03533@smtp01.primenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang,

In the upcoming issue of the NJ QRP Homebrewer newsletter there will be a fairly large article on how to do Manhattan Style Construction. I spent a lot of time and money over a two month period doing it, but it was a lot of fun.

If you have not yet gotten off the couch and sent in your check to subscribe (this is a blatant push to get you to subscribe), you should do so. Not because of my article but because of some others past, present, and future in The Homebrewer..... You have been warned.

<http://www.njqrp.org/> for particulars and other goodies

George Heron, N2APB, has been reading/editing the article since it's beginning and as it turns out he has gotten the materials and practiced some stuff in the article. Well, I have been getting email from him and he thinks he has learned enough to beat me at my own game. The nerve of the guy.

So the challenge has been laid down and I'll take it straight on.

We both are starting from scratch to build the Jim Kortge, K8IQY, 2N2222/40 --- 2N22/40 rig by Atlanticon. And to top it off, Jim, K8IQY, will be the sole judge and jury on which of the two rigs is the better. Having met Jim many times on both coasts and in between I have no fear that George can come up with enough money to swing the vote in his direction.... :-)

So, for those attending Atlanticon and the festivities you will get to see one of the last big battles in building contests in the QRP world this century. :-)

Since we have not nailed the rig down to a band, I am seriously thinking of going for 17m. Jim, K8IQY, is working through 15m on his web page..... This will get yet another band available for those that want to take on the challenge of building this rig and the pride of ownership in same.

FYI es cu in Philadelphia, PA,

P.S. Good news. In emails back and forth to K8IQY, he found at

<http://www.jensentools.com/>

the Adel nibbler. \$16.95 and after taxes and shipping it cost me around \$24. It works much much better than the R/S nibbler. But I personally still prefer the circular pads from the Harbor Freight punch. IMHO. Mileage may vary.....

Chuck Adams K7Q0 K7Q0@primenet.com <http://www.qsl.net/k7qo/>

Date: Sat, 22 Jan 2000 12:42:10 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: KD1YV <kd1yv@mindspring.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [61068] Re: How many QSOs on a matchhead?
Message-ID: <Pine.GS0.4.10.10001221238460.2134-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 22 Jan 2000, KD1YV wrote:

> I don't have the answer, and I don't mean to rain on anybody's parade, but
> when we make these comparisons, shouldn't we be using INPUT power? After
> all, the power ratings on light bulbs is how much power they consume, not
> how much "light power" they put out.

I have always felt that the FCC should never changed to output power.

After all, that removes any reason to strive for efficiency.

Just look at QRP.....if QRP was only 5 watts INPUT.... :-)

And I sometimes think it should be TOTAL input power. That way you need to get both the RX and TX as efficient as you can.

OK, back in my hole....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Sat, 22 Jan 2000 15:44:30 -0500
From: Tom Randall <trandall@idsi.net>
To: qrp-l@Lehigh.EDU
Subject: [61069] Re: Subject: [60856] Going Solar
Message-ID: <200001222044.PAA13891@pop.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Norm Wrote:

"I am considering buying a solar panel to charge either a 4AH or 7AH Gel Cell. Would appreciate some info on good specs as to how much current I should look for. I've seen some low end products at 125 ma and others that go to 500 ma or more. Do I need a higher current factor for a 7AH over a 4AH?? Any recommendations on products that have been recently bought that I might look into??"

Hi Norm,

I use a Unisolar US-5 panel and a Morningstar Sunsaver 6 w/lvd controller to charge my 4 and 7ah batteries. It puts out 16.5V and 300ma and charges them in about 5-7 hours. The controller makes the whole process a no-brainer. It has a load terminal so if you use your load with it the

controller will stop the flow of power when the voltage of the battery gets to about 11v so you won't over-discharge it. Check out Arizona Wind and Sun, excellent place to solar shop. It's where I bought my set-up...cost about \$116 for panel and controller.

<http://www.windsun.com/>

73,
Tom - KB2SMS

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)
Amateur Radio - KB2SMS - ARRL / 10-10 / QRP-L #1965
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

Date: Sat, 22 Jan 2000 15:06:13 -0600
From: "Ed" <ac5dc@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [61070] NorCal Cap Values
Message-ID: <200001222108.PAA17687@postoffice6.ipa.net>

The kits consist of 10 NPO caps for the following values:

Disc Ceramics
1, 2.2, 4.7, 10, 12, 15, 18, 20, 22, 27, 30, 33,
39, 47, 51, 56, 68, 82,
100, 120 pF

Mono NPO's Radial leads
150, 220, 270, 330, 390, 470, 560, 680, 820,
1000 pF

25V Electrolytics, Radial leads
1, 2.2, 4.7, 10, 22, 47, 100, 220, 470 uF

25 each of the following;
.01, .1 uF Mono Axial Leads

Date: Sat, 22 Jan 2000 15:43:36 -0600
From: Dick Carroll <dixie@townsqr.com>
To: w0av@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [61071] Re: BCK
Message-ID: <388A2488.F25CDCF1@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello George,

Right! it's been over 20 years and the details were fuzzy but starting to come back. The offset oscillator was keyed which modulated the other at the Morse code rate, resulting in a single Morse-encoded tone that can be copied by an AM receiver, with a continuous carrier.

Could be that the carrier signal on the BCK signal we hear is so weak that we've been missing it and only hearing the modulating oscillator signal. If I hear BCK again I'll try to ID it a little better with all this in mind.

I remember sticking my scope on the output one time as I set the drive, after a lightning strike and the resulting repair, and it was pretty easy to drive to oversaturation. That could easily explain an excessive harmonic level. And running only 25 watts as it did, one didn't want to back off much below that. I can imagine some folks will want to get every quarter-watt output that is available, and if set without a scope it would be easy to generate squared waves and not be aware of it. The trick, of course would be to set it to the maximum output without overdriving, and that almost necessitates a scope be used.

Since these beacons are nearly all located on flat ground, mostly on airports. Where lightning is common, the flattop antenna, sitting on 50 ft towers, are great magnets for it. That was the only time mine needed anything other than routine testing. They were really pretty durable rigs.

VIA is undoubtedly another of the same.

73, Dick W0EX

George F Franklin wrote:

>
> Hi Dick,
>
> Most of the "modern" NDB's use two xtal oscillators, one offset by 1.020
> KHz. to produce a type of modulation which appears to an AM receiver as

> true AM.
>
> Many of these NDB's use a pair of transistors in the output stage which,
> when overdriven, produce very nice square waves, rich in harmonics.
>
> The so-called compass locator beacons off the end of a runway usually
> employ short, center-loaded and very inefficient vertical antennas. The
> "beacons" often use a fairly efficient flat top antenna and an extensive
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>
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> manufactured 50W transistorized NDB's for compass locator and beacon
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>
> I have been unable to hear BCK on 1810 through the QRN, but the other
> morning in QSO with a Wisconsin station a station signing "VIA" was
> giving the WI station trouble copying my 5W QRP signals. That was about
> 1811 KHz., as I recall.
>
> 72 de George/W0AV

Date: Sat, 22 Jan 2000 17:25:44 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [61072] Buzzing light buzzards & other QRN shennanigans
Message-ID: <20000122.172551.-1045107.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

A couple weeks ago I noticed that a specific street light would blink on & off. I could see it from this office window. I also noticed that its on-off cycle corresponded to a serious QRN problem. When the light was "off" there was no noise. But over the course of about a minute or so, it would begin to "slip back on," starting out very dim and then growing to full brilliance. Once it hit full power, the QRN stopped.

So I sent an email to the local power organs, to which I got an almost immediate response. A week later the noise was gone & the light no longer blinked.

But then I could hear another blinker doing the same thing somewhere else. On the way to work I noticed one going out. Hmmm . . .

Like that Gahan Wilson cartoon where two bag ladies are walking down the street. In front of them, chasing each other, were two weird monsters. One bag lady looks at the other & says: "It's one damn thing after another!"

Same with QRN sources.

Them & switching power supplies, unshielded computers, and those high intensity lights.

Now that's a serious problem, them high intensity lights. If people would just eat more carrots, those stupid lights would go away. Stupid gringos.

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 22 Jan 2000 18:09:34 -0500

From: "AI2Q Alex" <ai2q@ispchannel.com>

To: <nilsbull@juno.com>

Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>

Subject: [61073] RE: Buzzing light buzzards & other QRN shennanigans

Message-ID: <001b01bf652d\$bfc5acc0\$5c32a7d0@ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Nils, I've had EXACTLY the same experience here over the past few months. Fortunately, the person at my local power and lighting company responds to my complaints within a day. At first he looked at me "funny," but after I explained what the problem was, he attended to it. He's now a believer.

The derved bulbs up on the poles were all installed at about the same time, and now they're failing at about the same time too. Their mean time to failure (MTBF) must be close at hand. HI HI.

I walk up and down my road with a Sony ICF-7600D to locate the offending pole, then record the pole number and place my call to the power company!

Other than that QRN (which only bothers me on 160 meters) I live in a blessedly quiet QTH.

GL dogging it down es vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Nils R Young

Sent: Saturday, January 22, 2000 5:26 PM

To: Low Power Amateur Radio Discussion

Subject: Buzzing light buzzards & other QRN shennanigans

Gang,

A couple weeks ago I noticed that a specific street light would blink on & off. I could see it from this office window. I also noticed that its on-off cycle corresponded to a serious QRN problem. When the light was "off" there was no noise. But over the course of about a minute or so, it would begin to "slip back on," starting out very dim and then growing to full brilliance. Once it hit full power, the QRN stopped.

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73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 22 Jan 2000 18:18:27 -0500

From: "AI2Q Alex" <ai2q@ispchannel.com>

To: <we6w@netzero.net>

Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>

Subject: [61074] RE: Soldering an open 150 uA meter coilspring!

Message-ID: <001c01bf652e\$fd770540\$5c32a7d0@ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ed,

You are lucky indeed. My old trusty Model 785 Weston Analyzer VOM has an open bobbin. It opened up for no apparent reason--except age I guess. I couldn't do the kind of repair you did as the open is inside the tiny coil!

Does anyone on the list have one of these old instruments (in the wooden case) or a meter for it, or a movement?

Fat chance, eh?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Ed Loranger

Sent: Saturday, January 22, 2000 1:43 AM

To: Low Power Amateur Radio Discussion

Subject: Soldering an open 150 uA meter coil spring!

Wow! Talk about your luck! I had to fix this meter tonight. It was a little meter with an open where one of the conductive springs connects to the floating coil.

I quickly realized the pointer had to be centered before soldering and folded some duct tape so the sticky part wouldn't soil the needle. It held fine.

I then looked for a #30 AWG soldering tip :) :)

LOL!

It was such a fine spot to solder. Deep inside the coil spring and quite the challenge.

I first wrapped #30 AWG tinned buss wire around the soldering iron tip but the it wasn't enough mass to melt the very fine silver solder or heat up the mini-spindle connection.

I switched to #22 AWG tinned buss wire and wrapped it around the soldering iron tip. It came off at a 45 deg. angle or so. I tinned it quickly and let a small blob form. I got the blob to the connection and 'Blibble!', the small blob ended up joining the spindle solder point to the inside copper spring as expected, and also welded 3 coils of the spring together. Waaaaa!

Well, with nerves of steel, calmed by the friendly qso on 40 meters audible in the background, a few touches with the #22 AWG heated wire and Voila', it was done.

I now have the meter working! Installed and tested!

Had to share this. Wow. Talk abt. luck. If you can't be good, be lucky.

72/Ed we6w

--

72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

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Date: Sat, 22 Jan 2000 15:25:22 -0800
From: "Denis Englander" <ko6gf@slip.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [61075] Re: How the Navy Killed my 17 year old son!
Message-ID: <001301bf6530\$071adda0\$261db9d8@net.slip.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Richard...

Just wanted to add that I have been touched by your
grief as well. I am glad to see that some good words
are being sent back on this reflector to help in at
least some small way - for we are a community, a
common group of communicators - what touches one
touches many.

I too have been helped by fellow hams during a
family need, and I said then that this is why
Ham Radio earns the distinction of being the
"King's Hobby".

Feel free to cry, Richard, let the pain go.
Keep in touch with us as often as you like.

72 de ko6gf - Denis in SF

Date: Sat, 22 Jan 2000 18:02:41 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [61076] Cans of tuner & M2000A
Message-ID: <20000122.180707.-1045107.4.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Toholar!

Find that one in yer Uzbek dictionary! Anyway, since it was colder 'n one of them proverbial anatomical parts, I took the K2 inside, opened it up & tried to adjust the filters again. Messed 'em up good. Then I took it out to the outhouse/radioshack where the temperature was so down that the water in my slobberin' iron sponge was froze. Sittin' there watching my breath condense into snow before my whiskers, I finally got everything back together.

Don't make no difference how much you spent for that straight CW key, yer fingers will freeze up just like a tongue on a stop sign all the same when it's that cold.

So cold it felt like me digits was burning.

Then I came back in the house, let the radio warm up & went downstairs to see what Xev was doing . . . That Stan, he's so silly . . . And we ain't gonna talk about Kai . . . ain't nice to talk about the dead, see?

Then I went back outside (how you spell "sikibaga"?) and tried to get into Late Nite Radio. Man, everyone sounded like they was on the bug instead of somewhere between Indianapolis & Chillecothe. Gary said I was "30 db below mental telepathy." Well, anything near "mental" is fine by me.

So I went back inside.

Got up this morning & worked M2000A. Wherever that is. And a couple nights before the freezin' started, I worked XQ0YAF. Isla de Pascuas. Pretty neat. Five watts & a vertical tuned from inside the shack. Gotta love them electrons!

Tonight I stay inside. And I ain't messin' with them filters no more either!

Nils

. . . only problem with inside is that the antenna ain't for nothin' . .
. a piece of wire hangin' out the window & into some tree limbs . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

<http://home.fiberia.com/wb8ijn> -- W8IJN --

<http://members.xoom.com/nilsbull>

"In my day you had to FIGHT to have oligarchs! Every day was a STRUGGLE!

-- Comrade Sergei Nikolaevich McTovarishov --

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End of QRP-L Digest 1708
